



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06



Site Name: Martine Springs-Slaughter Creek Ground Water Plume

CERCLIS ID#: TXN000606811

Alias Site Name: NA

Address: 10019 South IH 35

City/County or Parish/State/Zip: Austin/Travis County/Texas/78747



612041

Report Type: Site Inspection

Date: May 14, 2010

Author: TCEQ - Craig Watts

RECOMMENDATION:

☒ 1. No Further Remedial Action Planned Under Superfund (NFRAP)

☐ 2. Further Investigation Needed Under Superfund

☐ PA

☐ HRS

Priority: ☐ High

☐ SI

☐ RI/FS

☐ Low

☐ ESI

☐ RA

☐ Other:

To be performed by:

☐ 3. Action Deferred to: ☐ RCRA ☐ NRC

☒ 4. Site Being Addressed Under the State Voluntary Cleanup Program (VCP): ☐ Yes ☒ No

NOTIFY AUTHORITY:

☐ Removal

☐ RCRA

☐ TSCA

☐ CAA

☐ SMCRA

☐ Remedial

☐ State/Tribe

☐ NPDES

☐ NRC

☐ Resource Trustee:

☐ CERCLA

☐ Federal

☐ UIC

☐ SPCC

☐ Other:

Enforcement

Facility

SEND SSSR COPIES TO: ☐ 6SF-AC ☐ 6WQ-SP ☐ ATSDR ☒ State Agency ☐ Tribal Agency

DISCUSSION:

Hill Country Springs, Inc. (HCS) is a water bottling company with Public Water Supply (PWS) No. 227032 and bottles water for retail sale. HCS delivers bottled water to 19 counties in the Central Texas area. The water emerges from the Ardrey/Martine Springs located on the HCS property. The source of the water is a Quarternary paleochannel made up of alluvial gravels that unconformably lie on the Austin Chalk Formation of Cretaceous Age. The spring has an estimated flow of 40 to 65 gallons per minute and discharges into a small creek which feeds into Slaughter Creek. The spring water is treated through reverse osmosis prior to bottling and distribution.

On October 30, 2006, the TCEQ sampled "Entry Point 001" which is located where the spring emerges from the ground. The results of the sampling indicated concentrations of trichloroethene (TCE) at 0.7 ug/L. On February 16, 2007, a follow-up sample was collected and results indicated TCE concentrations at 0.57 ug/L. The Safe Drinking Water Act Maximum Contaminant Level (MCL) for TCE is 5.0 ug/L.

The HCS property is bordered by a new residential development to the north and Slaughter Creek to the south. Interstate 35 bounds the west side of the property, however further west there is a new commercial development for shopping, movies, and restaurants. Based on a survey of businesses operating within a two-mile radius of the site, 14 businesses which may use or may have used TCE were identified, including a Firestone Tire Shop, Walmart, and Target.

According to a Banks Environmental Data Well Report dated 2007, there are a total of 340 wells within a 4-mile radius of the site. Of these 340 wells, 83 are registered for public supply and 174 are registered as domestic wells. The remaining 83

wells include irrigation, commercial, industrial, stock, test, and unused wells.

In an effort to identify a potential source of the TCE in groundwater, a Site Inspection was conducted. Samples associated with the Site Inspection were collected between August 4 and August 7, 2008, and consisted of 10 surface water samples plus two duplicate samples and 10 sediment samples plus two duplicate samples. A sample collected from the Martine Springs indicated the presence of low levels of TCE and chloroform. The concentrations of these contaminants were below their corresponding safe drinking water standards. Surface water and sediment samples collected during the Site Inspection were meant to evaluate potential sources of contamination. Analytical results of these samples indicate no observed release to the surface water migration pathway and no sources of contamination were identified.

Because no potential sources of contamination were identified during the Site Inspection and the fact that the concentrations of TCE and chloroform detected in Martine Springs are below their respective MCL, the Martine Springs-Slaughter Creek Ground Water Plume site does not appear to meet the criteria necessary for listing on the National Priorities List (NPL) of federal Superfund sites. As such, it is recommended that the site receive a designation of "No Further Remedial Action Planned" (NFRAP) in CERCLIS and be deferred back to the TCEQ for any further action under their authority. This designation does not preclude future federal involvement with the site should site conditions change or a request be made by the State. The State will be provided a copy of this decision document.

APPROVALS:

Report Reviewed by: Bret Kendrick
(Site Assessment Manager)

Signature: 

Date: 06/21/10

Disposition

Approved by: John Meyer
(Team Leader 6SF-TR)

Signature: 

Date: 6/24/10